

5. A document image processor according to claim 1, wherein the title-region extracting means calculates the extracting [criterion] criteria on a plurality of levels by using the extracting parameters on a plurality of levels.

6. A document image processor according to claim 1, wherein the title-region extracting means calculates the extracting [criterion] criteria on a plurality of levels by using the extracting parameters on a plurality of levels and extracts each title region corresponding to each level attribute indicating the level of the extracting.

7. A document image processor [according to claim 2 or 3] according to claim 5 or 6, wherein the title-region extracting means determines the extracting parameters on a plurality of levels based on a maximum value of the region average character size divided by the total average character size.

11. A document title extracting method of a document image processor comprising:
inputting and preparing document images by reading a paper document;
dividing a plurality of regions from a document image;
calculating a region average character size equivalent to the average size of characters per region; and
extracting title region from the entire regions based on the region average character size,
in which the step of calculating comprises calculating a total average character size equivalent to the average size of characters in the entire regions,
and further comprising comparing the region average character size and a extracting [criterion] criteria that is a total average character size multiplied by an extracting parameter; and
in which the step of extracting tile region comprises extracting as a title region regions with the region average character size larger than the extracting [criterion] criteria.

15. A document title extracting method of a document image processor [according to claim 14] according to claim 11, in which the step of extracting titles comprises calculating the extracting criterions on a plurality of levels by using the extracting parameters on a plurality of levels.

16. A document title extracting method of a document image processor [according to claim 14] according to claim 11, in which the step of extracting titles comprises calculating the extracting criterions on a plurality of levels by using the extracting parameters on a plurality of levels and extracting each title region corresponding to each level attribute indicating the level of the extracting.

21. A recording medium for recording programs comprising:

- dividing document images prepared by reading a paper document into a plurality of regions:
- calculating per region a region average character size equivalent to an average size of characters in a region and a total average character size equivalent to an average size of characters in the entire regions:
- comparing each region average character size and extracting [criterion] criteria that is the total average character size multiplied by the extracting parameter; and
- extracting regions with the region average character size larger than the extracting [criterion] criteria as a title region.